

RECEIVED

JAN 12 3 14 PM '00

USPS-T-4

POSTAL RATE COMMISSION
OFFICE OF THE SECRETARY

Before the
POSTAL RATE COMMISSION
WASHINGTON, D. C. 20268-0001

POSTAL RATE AND FEE CHANGES, 2000

Docket No. R2000-1

DIRECT TESTIMONY OF
BRADLEY V. PAFFORD
ON BEHALF OF
UNITED STATES POSTAL SERVICE

TABLE OF CONTENTS

	<u>PAGE</u>
TABLE OF CONTENTS.....	ii
LIST OF LIBRARY REFERENCES.....	iii
AUTOBIOGRAPHICAL SKETCH.....	1
I. PURPOSE AND SCOPE OF TESTIMONY.....	3
II. ESTIMATION OF REVENUE, VOLUME AND WEIGHT.....	3
III. DOMESTIC REVENUE, VOLUME AND WEIGHT (DRPW) SYSTEM.....	4
IV. PREPARATION OF REVENUE, VOLUME AND WEIGHT ESTIMATES..	6
TABLE 1 – FISCAL YEAR 1998 REVENUE ESTIMATES AND ASSOCIATED CONFIDENCE LIMITS	8
TABLE 2 – FISCAL YEAR 1998 PIECE ESTIMATES AND ASSOCIATED CONFIDENCE LIMITS	10
TABLE 3 – FISCAL YEAR 1998 WEIGHT ESTIMATES AND ASSOCIATED CONFIDENCE LIMITS	12

LIST OF LIBRARY REFERENCES

Supporting Library References.

USPS-LR-I-21	Domestic Revenue, Pieces, and Weight System (DRPW), System Documentation Description
USPS-LR-I-22	Domestic Revenue, Pieces, and Weight System (DRPW), Listing of Input Data
USPS-LR-I-23	Domestic Revenue, Pieces, and Weight System (DRPW), Machine Readable Copy of Input Data (1 CD-ROM)
USPS-LR-I-24	Domestic Revenue, Pieces, and Weight System (DRPW), Postal Service ADP Documentation
USPS-LR-I-27	Domestic Mail Revenue, Pieces, and Weight Statistical Systems Methodology and Design
USPS-LR-I-29	Domestic RPW Variance Estimation and Code (1 CD-ROM)
USPS-LR-I-30	Revenue, Pieces, and Weight (RPW) Adjustment System
USPS-LR-I-31	Revenue, Pieces, and Weight System (RPW), Source Code Listings, Domestic RPW
USPS-LR-I-32	Revenue, Pieces, and Weight System (RPW), Source Programs in Machine-readable Form, Domestic RPW (CD-ROM in LR-H-40)
USPS-LR-I-33	Revenue, Pieces, and Weight System (RPW), Listing of Output Data
USPS-LR-I-34	Revenue, Pieces, and Weight System (RPW), Machine-Readable Copy of Output Data (1 diskette)
USPS-LR-I-35	RPW-CODES, Computer System Documentation Description
USPS-LR-I-36	RPW-CODES, Data Entry Application Technical Documentation

USPS-LR-I-37	Handbook F-75, Data Collection User's Guide for Revenue, Volume, and Performance Measurement Systems
USPS-LR-I-38	RPW-CODES, Base Unit Application Technical Documentation
USPS-LR-I-39	RPW-CODES, Mainframe Application Technical Documentation
USPS-LR-I-40	RPW-CODES, Printed Source Code for the Data Entry Application
USPS-LR-I-41	RPW-CODES, Printed Source Code for the Base Unit Application
USPS-LR-I-42	RPW-CODES, Printed Source Code for the Mainframe Application
USPS-LR-I-43	RPW-CODES, Source Code on CD for all three RPW Applications
USPS-LR-I-65	RPW Sample Selection System, Computer System Documentation
USPS-LR-I-66	RPW Sample Selection System, Listing of Input Data and Source Code
USPS-LR-I-67	RPW Sample Selection System, ADP Documentation
USPS-LR-I-68	RPW Sample Selection System, Machine Readable Source Code and Input Data (1 CD-ROM)
USPS LR-SSR-58/R96-3	Jointly Scheduled Tests

1 Direct Testimony
2 Of
3 Bradley V. Pafford
4 AUTOBIOGRAPHICAL SKETCH
5

6 My name is Bradley V. Pafford. I am a Mathematical Statistician in
7 Revenue, Volume & Performance Measurement, Finance. I have been
8 employed by the Postal Service since 1991. During that time I have worked on
9 statistical design issues for improving the Postal Service statistical information
10 systems. I have appeared as a witness in Docket No. R97-1, USPS-T-1, and
11 provided technical support to witness Steele in Docket No. R94-1 and for Postal
12 Service statistical issues in Docket Nos. MC95-2, and MC96-3.

13 Prior to my employment with the Postal Service, I was a Mathematical
14 Statistician with the U. S. Department of Agriculture (USDA), National
15 Agricultural Statistics Service (NASS), for eleven years. I have published many
16 USDA technical reports, and have contributed papers at the American Statistical
17 Association Annual Conference and the Bureau of the Census Annual Research
18 Conference.

19 I was awarded a Bachelor of Science degree with a major in Forestry from
20 Virginia Polytechnic Institute and State University in 1977, and a Master of
21 Science degree in Forestry from Virginia Polytechnic Institute and State
22 University in 1979. My Master of Science degree in Forestry concentrated on
23 survey research in outdoor recreation environments, with my Master's thesis
24 developed around a time and location probability sample of users of the Cape
25 Hatteras National Seashore in the Outer Banks of North Carolina. In 1985 I

- 1 received a Masters of Statistics degree from North Carolina State University. I
- 2 was an instructor of statistics at the USDA graduate school from 1988 - 1992. I
- 3 am a member of the American Statistical Association.

1 I. PURPOSE AND SCOPE OF TESTIMONY

2

3 The purpose of my testimony is to describe the Domestic Revenue,
4 Pieces and Weight (DRPW) statistical information system that generates
5 estimates of revenue, pieces and weight underlying the Postal Service's
6 Request. My testimony covers the general design of DRPW, and provides
7 tables showing estimates of revenue, pieces, and weight and their statistical
8 reliability.

9 This testimony is divided into three parts. The first section provides a
10 general overview of the estimation of revenue, pieces and weight. The second
11 section describes the DRPW system. The third section describes how the
12 revenue, pieces and weight estimates are prepared.

13

14 II. ESTIMATION OF REVENUE, PIECES AND WEIGHT

15

16 The Postal Service's postage revenue accounting system contains
17 several accounts that are associated with specific classes or subclasses of mail.
18 However, most postage revenue accounts are general accounts that do not
19 correspond exactly with specific mail categories. In addition, the revenue
20 accounting system does not provide the necessary volume information.
21 Therefore, the Postal Service supplements its revenue accounting information
22 with statistical data from two systems: the probability-based sampling system
23 known as DRPW, and the revenue account and postage statement-based

1 system known as BRPW. My testimony discusses DRPW, while witness Hunter,
2 USPS-T-5, discusses the BRPW.

3

4 III. DOMESTIC REVENUE, PIECES AND WEIGHT (DRPW)

5

6 DRPW provides estimates of revenue, pieces and weight for mail
7 categories that do not correspond exactly with the Postal Service's revenue
8 accounting system, and where data are not available from postage statements.
9 DRPW is a continuous probability sample, with specific exceptions, of mail
10 exiting the postal system. The exceptions are registered, insured, COD and
11 Certificates of Mailing, for which a continuous probability sample of mail entering
12 the postal system is drawn. The statistical methodology for the probability
13 sampling system is provided in USPS-LR-I-27, which update previous
14 documentation in USPS-LR-H-89/R97-1.

15

16 All domestic mail is partitioned into frame units, as part of a sampling
17 frame. A destinating frame unit is a mail exit point, or MEP, while an originating
18 frame unit is a combined originating unit, or COU. The sampling frame
19 documentation is maintained in the Handbook F-75, Data Collection User's
20 Guide for Revenue, Volume, and Performance Measurement Systems, USPS-
21 LR-I-37. This user's guide updates the previous documentation that can be
22 found in USPS-LR-G-44/R94-1.

23

1 A sampling unit is a randomly selected MEP (COU) and day within the
2 Postal Quarter, or MEP-day (COU-day). Test dates are randomly assigned in
3 conjunction with other statistical system test schedules. The DRPW Sample
4 Selection System documentation can be found in USPS-LR-I-65 through USPS-
5 LR-I-68. These update previous documentation, USPS-LR-I-89/R97-1 and
6 USPS-LR-H-90/R97-1 through USPS-LR-H-93/R97-1, respectively. The test
7 date assignment process is documented in USPS-LR-SSR-58/MC96-3.

8
9 For each MEP-day (COU-day) in the sample, a subsample of the mail is
10 selected. Subsampling instructions are also documented in USPS-LR-I-37. The
11 revenue and weight of the selected mailpieces are recorded by rate category.
12 Data are entered directly into laptop computers under the RPW Computerized
13 On-Site Data Entry System (RPW-CODES), and transferred and checked-in at
14 Statistical Programs office baseunit computers, and then uploaded to mainframe
15 computer for final processing. RPW-CODES data entry documentation is
16 presented in USPS-LR-I-36, and USPS-LR-I-40, which update previous
17 documentation USPS-LR-H-55/R97-1 and USPS-LR-H-58/R97-1. RPW-CODES
18 baseunit documentation is presented in USPS-LR-I-38, and USPS-LR-I-41,
19 which update previous documentation USPS-LR-H-56/R97-1 and USPS-LR-H-
20 58/R97-1. RPW-CODES mainframe documentation is presented in USPS-LR-I-
21 39, and USPS-LR-I-42, which update previous documentation USPS-LR-H-
22 57/R97-1 and USPS-LR-H-58/R97-1. In reviewing these RPW-CODES Library

References the reader should first start with USPS-LR-I-35, that updates previous documentation USPS-LR-H-54/R97-1.

From the sample data, estimates of the proportion revenue, pieces and weight are developed and used to distribute general postage account revenue to the measured categories of mail. Separate estimates are developed for each Postal Quarter, which are in turn combined to produce Fiscal Year estimates. Documentation of the systems which produce revenue and pieces estimates are provided in USPS-LR-I-21 through USPS-LR-I-24, which update previous documentation USPS-LR-H-42/R97-1, and USPS-LR-H-44/R97-1 through USPS-LR-H47/R97-1.

IV. PREPARATION OF REVENUE, PIECES AND WEIGHT ESTIMATES

Fiscal Year DRPW and BRPW estimates are combined with other data in the RPW Adjustment System to produce estimates of revenue, pieces and weight for all categories of mail. The RPW Adjustment system is documented in USPS-LR-I-30 through USPS-LR-I-34, which update previous documentation USPS-LR-H-43/R97-1 through USPS-LR-H-47/R97-1. Because the Postal Service's statistical information systems are based on the Postal Fiscal Year (PFY), a final adjustment to these estimates is made to produce Government Fiscal Year (GFY) estimates. For Fiscal Year 1998, GFY estimates of the revenue, pieces and weight for the categories of mail are presented in Tables 1,

1 2, and 3. Coefficients of variation (expressed as percentages), and upper and
2 lower 95% confidence limits, are also shown. Documentation of DRPW variance
3 estimation is contained in USPS-LR-I-29, which update USPS-LR-H-177/R97-1.

4 For each mail category, the Tables 1, 2, and 3 identify the source of the
5 estimate: DRPW, BRPW or combined systems. For example, the estimate of
6 Standard Mail (B) Bound Printed Matter total volume is obtained by combining
7 the DRPW non-permit with the BRPW bulk permit imprint total volume estimates,
8 and any residual official mail (U.S. government agency and congressional
9 franked mail).

10

TABLE 1
FISCAL YEAR 1998 REVENUE ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS

SERVICE CATEGORY	REVENUE (\$1,000s)	C.V. <u>4/</u> OF ESTIMATE PERCENT	LOWER 95% CONFIDENCE LIMIT <u>6/</u>	UPPER 95% CONFIDENCE LIMIT <u>6/</u>
FIRST-CLASS MAIL:				
SINGLE-PIECE LETTERS, FLATS, AND IPPS <u>2/</u>	21,807,405	0.28	21,687,726	21,927,084
NONAUTO PRESORT LETTERS, FLATS, AND IPPS <u>1/</u>	1,542,425	2.26	1,474,101	1,610,748
AUTO PRESORT LETTERS AND FLATS <u>1/</u>	9,035,064	0.15	9,008,501	9,061,628
AUTO CARRIER ROUTE PRESORT LETTERS <u>1/</u>	305,949	0.79	301,212	310,686
SINGLE-PIECE CARDS <u>2/</u>	612,924	1.52	594,664	631,184
NONAUTO PRESORT MAILING CARDS <u>1/</u>	99,659	4.95	89,990	109,328
AUTO PRESORT CARDS <u>1/</u>	287,143	1.23	280,220	294,065
AUTO CARRIER ROUTE PRESORT CARDS <u>3/</u>	20,877	0.97	20,481	21,274
DOMESTIC MAIL FEES <u>2/</u>	149,740	2.36	142,814	156,666
TOTAL FIRST-CLASS	33,861,187	0.20	33,728,451	33,993,922
PRIORITY MAIL <u>1/</u>	4,186,416	1.08	4,097,798	4,275,035
DOMESTIC MAIL FEES <u>2/</u>	941	6.33	824	1,058
TOTAL PRIORITY <u>1/</u>	4,187,358	1.09	4,097,899	4,276,816
EXPRESS MAIL	854,530	N/C <u>5/</u>		
MAILGRAMS	1,678	N/C		
PERIODICALS MAIL:				
IN-COUNTY <u>3/</u>	79,302	2.56	75,323	83,281
OUTSIDE COUNTY:				
REGULAR <u>1/</u>	1,643,645	0.16	1,638,490	1,648,799
SPECIAL NONPROFIT <u>3/</u>	317,027	0.65	312,988	321,065
CLASSROOM <u>3/</u>	12,229	0.00	12,229	12,229
DOMESTIC MAIL FEES <u>2/</u>	20,082	3.86	18,562	21,601
TOTAL PERIODICALS <u>1/</u>	2,072,285	0.04	2,070,660	2,073,909
STANDARD MAIL (A):				
SINGLE-PIECE <u>2/</u>	123,859	5.69	110,045	137,672
REGULAR - NONAUTO PRESORT <u>3/</u>	1,927,930	0.71	1,901,101	1,954,759
REGULAR - AUTO PRESORT <u>3/</u>	5,263,923	0.32	5,230,907	5,296,938
ENHANCED CARRIER ROUTE <u>3/</u>	4,945,801	0.45	4,902,179	4,989,423
NONPROFIT - NONAUTO PRESORT <u>3/</u>	486,447	1.00	476,913	495,981
NONPROFIT - AUTO PRESORT <u>3/</u>	665,081	0.52	658,302	671,859
NONPROFIT ENHANCED CARRIER ROUTE <u>3/</u>	211,744	1.44	205,768	217,720
DOMESTIC MAILING FEES <u>2/</u>	76,958	0.95	75,525	78,391
TOTAL STANDARD MAIL (A) <u>1/</u>	13,701,742	0.06	13,685,628	13,717,855
STANDARD MAIL (B):				
PARCEL POST <u>1/</u>	947,945	0.92	930,852	965,039
BOUND PRINTED MATTER <u>1/</u>	427,827	0.81	421,035	434,619
SPECIAL STANDARD <u>2/</u>	330,301	2.88	311,656	348,946
LIBRARY MAIL <u>2/</u>	45,684	3.04	42,962	48,406
DOMESTIC MAIL FEES <u>2/</u>	2,506	7.81	2,123	2,890
TOTAL STANDARD MAIL (B) <u>1/</u>	1,754,264	0.88	1,724,007	1,784,522

**TABLE 1
(CONTINUED)
FISCAL YEAR 1998 REVENUE ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS**

SERVICE CATEGORY	REVENUE (\$1,000s)	C.V. 4/ OF ESTIMATE PERCENT 5/	LOWER 95% CONFIDENCE LIMIT 6/	UPPER 95% CONFIDENCE LIMIT 6/
U.S. POSTAL SERVICE MAIL				
FREE MAIL FOR THE BLIND AND HANDICAPPED				
TOTAL DOMESTIC MAIL	56,433,042	N/C		
TOTAL INTERNATIONAL MAIL	1,599,838	N/C		
TOTAL ALL MAIL	58,032,880	N/C		
SPECIAL AND OTHER SERVICES:				
REGISTERED 2/	89,221	0.06	89,116	89,326
INSURANCE 2/	72,547	2.75	68,637	76,457
COLLECT ON DELIVERY 2/	17,829	0.01	17,826	17,833
CERTIFIED 2/	385,745	4.05	355,125	416,366
RETURN RECEIPTS 2/	262,058	3.86	242,231	281,884
SPECIAL DELIVERY 2/	1	69.50	0	3
MONEY ORDERS	178,942	N/C		
SUBTOTAL	1,006,343	2.51	956,835	1,055,851
OUT. MONEY ORDERS TAKEN INTO REVENUE	31,177	N/C		
STAMPED ENVELOPES	17,440	N/C		
BOX RENTS	617,434	N/C		
	1,672,395	N/C		
TOTAL MAIL & SPECIAL SERVICES	59,705,275	N/C		
OTHER INCOME	486,982	N/C		
TOTAL INCOME	60,192,256	N/C		

1/ COMBINED DRPW AND BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

2/ DRPW (INCLUDES OTHER SOURCE DATA IF ANY)

3/ BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

4/ COEFFICIENT OF VARIATION = $(100 \times (\text{EST. STD. ERROR} / \text{EST. REVENUE}))$

5/ NOT COMPUTED

6/ LOWER LIMIT - EST. REVENUE - $(1.97 \times \text{EST. STD. ERROR})$

UPPER LIMIT - EST. REVENUE + $(1.97 \times \text{EST. STD. ERROR})$

TABLE 2
FISCAL YEAR 1998 PIECES ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS

SERVICE CATEGORY	PIECES (1,000s)	C.V. 4/ OF ESTIMATE PERCENT	LOWER 95% CONFIDENCE LIMIT 6/	UPPER 95% CONFIDENCE LIMIT 6/
FIRST-CLASS MAIL:				
SINGLE-PIECE LETTERS, FLATS, AND IPPS <u>2/</u>	54,273,024	0.47	53,773,061	54,772,987
NONAUTO PRESORT LETTERS, FLATS, AND IPPS <u>1/</u>	4,658,236	2.51	4,429,070	4,887,403
AUTO PRESORT LETTERS AND FLATS <u>1/</u>	34,696,924	0.16	34,588,114	34,805,733
AUTO CARRIER ROUTE PRESORT LETTERS <u>1/</u>	1,279,092	0.79	1,259,287	1,298,898
SINGLE-PIECE CARDS <u>2/</u>	2,971,751	1.50	2,884,381	3,059,120
NONAUTO PRESORT MAILING CARDS <u>1/</u>	553,662	4.95	499,945	607,378
AUTO PRESORT CARDS <u>1/</u>	1,852,337	1.17	1,809,859	1,894,815
AUTO CARRIER ROUTE PRESORT CARDS <u>3/</u>	149,125	0.97	146,290	151,960
DOMESTIC MAIL FEES <u>2/</u>				
TOTAL FIRST-CLASS	100,434,151	0.29	99,863,283	101,005,019
PRIORITY MAIL <u>1/</u>	1,174,425	1.05	1,150,256	1,198,595
DOMESTIC MAIL FEES <u>2/</u>				
TOTAL PRIORITY <u>1/</u>	1,174,425	1.10	1,149,105	1,199,746
EXPRESS MAIL	66,244	N/C <u>5/</u>		
MAILGRAMS	4,302	N/C		
PERIODICALS MAIL:				
IN-COUNTY <u>3/</u>	923,865	2.20	884,028	963,702
OUTSIDE COUNTY:				
REGULAR <u>1/</u>	7,195,166	0.19	7,168,371	7,221,961
SPECIAL NONPROFIT <u>3/</u>	2,136,927	0.76	2,105,096	2,168,759
CLASSROOM <u>3/</u>	60,793	0.00	60,793	60,793
DOMESTIC MAIL FEES <u>2/</u>				
TOTAL PERIODICALS <u>1/</u>	10,316,751	0.17	10,282,376	10,351,127
STANDARD MAIL (A):				
SINGLE-PIECE <u>2/</u>	150,276	8.87	124,150	176,402
REGULAR - NONAUTO PRESORT <u>3/</u>	6,952,941	0.66	6,862,998	7,042,884
REGULAR - AUTO PRESORT <u>3/</u>	28,134,073	0.31	27,963,130	28,305,016
ENHANCED CARRIER ROUTE <u>3/</u>	34,059,127	0.47	33,745,374	34,372,879
NONPROFIT - NONAUTO PRESORT <u>3/</u>	3,719,254	1.26	3,627,403	3,811,104
NONPROFIT - AUTO PRESORT <u>3/</u>	6,845,382	0.50	6,778,297	6,912,467
NONPROFIT ENHANCED CARRIER ROUTE <u>3/</u>	2,647,088	1.59	2,564,594	2,729,582
DOMESTIC MAILING FEES <u>2/</u>				
TOTAL STANDARD MAIL (A) <u>1/</u>	82,508,141	0.12	82,314,082	82,702,200
STANDARD MAIL (B):				
PARCEL POST <u>1/</u>	316,148	0.88	310,695	321,601
BOUND PRINTED MATTER <u>1/</u>	488,413	0.45	484,105	492,720
SPECIAL STANDARD <u>2/</u>	191,093	3.73	177,123	205,063
LIBRARY MAIL <u>2/</u>	27,728	3.39	25,886	29,571
DOMESTIC MAIL FEES <u>2/</u>				
TOTAL STANDARD MAIL (B) <u>1/</u>	1,023,382	1.50	993,294	1,053,469

**TABLE 2
(CONTINUED)
FISCAL YEAR 1998 PIECES ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS**

SERVICE CATEGORY	PIECES (1,000s)	C.V. 4/ OF ESTIMATE PERCENT 5/	LOWER 95% CONFIDENCE LIMIT 6/	UPPER 95% CONFIDENCE LIMIT 6/
U.S. POSTAL SERVICE MAIL	380,103	2.52	361,329	398,877
FREE MAIL FOR THE BLIND AND HANDICAPPED	53,169	4.58	48,396	57,942
TOTAL DOMESTIC MAIL	195,960,669	N/C		
	0			
TOTAL INTERNATIONAL MAIL	944,022	N/C		
	0			
TOTAL ALL MAIL	196,904,691	N/C		
SPECIAL AND OTHER SERVICES:				
REGISTERED 2/	15,254	0.12	15,218	15,290
INSURANCE 2/	40,789	2.96	38,423	43,156
COLLECT ON DELIVERY 2/	3,845	0.02	3,843	3,846
CERTIFIED 2/	278,298	4.12	255,824	300,771
RETURN RECEIPTS 2/	237,256	3.86	219,306	255,206
SPECIAL DELIVERY 2/	1	69.54	0	1
MONEY ORDERS	208,597	N/C		
SUBTOTAL	784,038	2.58	744,391	823,686
USPS SPECIAL SERVICE TRANSACTIONS				
REGISTERED TRANSACTIONS:	14,700	0.00	14,700	14,700
CERTIFIED TRANSACTIONS	1,114	15.87	767	1,460
RETURN RECEIPTS	1,133	27.03	533	1,734
SPECIAL DELIVERY TRANSACTIONS	0			
SPECIAL HANDLING TRANSACTIONS	4	30.37	2	7
TOTAL	16,952	2.10	16,254	17,649

1/ COMBINED DRPW AND BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

2/ DRPW (INCLUDES OTHER SOURCE DATA IF ANY)

3/ BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

4/ COEFFICIENT OF VARIATION = $(100 \times (\text{EST. STD. ERROR} / \text{EST. PIECES}))$

5/ NOT COMPUTED

6/ LOWER LIMIT - EST. PIECES - $(1.97 \times \text{EST. STD. ERROR})$

UPPER LIMIT - EST. PIECES + $(1.97 \times \text{EST. STD. ERROR})$

TABLE 3
FISCAL YEAR 1998 WEIGHT ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS

SERVICE CATEGORY	WEIGHT (1,000s)	C.V. 4/ OF ESTIMATE PERCENT	LOWER 95% CONFIDENCE LIMIT 6/	UPPER 95% CONFIDENCE LIMIT 6/
FIRST-CLASS MAIL:				
SINGLE-PIECE LETTERS, FLATS, AND IPPS 2/	2,589,862	0.40	2,569,557	2,610,166
NONAUTO PRESORT LETTERS, FLATS, AND IPPS 1/	188,724	1.76	182,214	195,234
AUTO PRESORT LETTERS AND FLATS 1/	1,285,947	0.24	1,279,897	1,291,996
AUTO CARRIER ROUTE PRESORT LETTERS 1/	46,628	0.95	45,760	47,496
SINGLE-PIECE CARDS 2/	18,579	1.50	18,033	19,126
NONAUTO PRESORT MAILING CARDS 1/	4,089	6.24	3,589	4,590
AUTO PRESORT CARDS 1/	16,291	1.83	15,706	16,875
AUTO CARRIER ROUTE PRESORT CARDS 3/	1,226	0.90	1,204	1,248
DOMESTIC MAIL FEES 2/				
TOTAL FIRST-CLASS	4,151,345	0.27	4,129,377	4,173,314
PRIORITY MAIL 1/	1,979,953	1.21	1,932,996	2,026,909
DOMESTIC MAIL FEES 2/				
TOTAL PRIORITY 1/	1,979,953	1.21	1,932,996	2,026,909
EXPRESS MAIL	77,739	N/C 5/		
MAILGRAMS		N/C		
PERIODICALS MAIL:				
IN-COUNTY 3/	253,938	3.67	235,672	272,204
OUTSIDE COUNTY:				
REGULAR 1/	3,580,405	0.28	3,560,756	3,600,054
SPECIAL NONPROFIT 3/	585,102	0.45	579,941	590,262
CLASSROOM 3/	31,684	0.00	31,684	31,684
DOMESTIC MAIL FEES 2/				
TOTAL PERIODICALS 1/	4,451,129	0.31	4,424,083	4,478,174
STANDARD MAIL (A):				
SINGLE-PIECE 2/	28,032	5.05	25,257	30,807
REGULAR - NONAUTO PRESORT 3/	1,182,083	0.99	1,159,146	1,205,020
REGULAR - AUTO PRESORT 3/	3,400,264	0.36	3,376,272	3,424,256
ENHANCED CARRIER ROUTE 3/	4,872,082	0.88	4,788,048	4,956,115
NONPROFIT - NONAUTO PRESORT 3/	239,983	0.66	236,879	243,087
NONPROFIT - AUTO PRESORT 3/	458,590	0.55	453,646	463,533
NONPROFIT ENHANCED CARRIER ROUTE 3/	195,751	1.20	191,147	200,355
DOMESTIC MAILING FEES 2/				
TOTAL STANDARD MAIL (A) 1/	10,376,784	0.29	10,317,803	10,435,766
STANDARD MAIL (B):				
PARCEL POST 1/	1,847,608	0.86	1,816,465	1,878,751
BOUND PRINTED MATTER 1/	1,198,384	0.43	1,188,284	1,208,484
SPECIAL STANDARD 2/	308,191	2.31	294,238	322,145
LIBRARY MAIL 2/	53,105	3.75	49,202	57,008
DOMESTIC MAIL FEES 2/				
TOTAL STANDARD MAIL (B) 1/	3,407,288	0.60	3,367,218	3,447,358

**TABLE 3
(CONTINUED)
FISCAL YEAR 1998 WEIGHT ESTIMATES
AND ASSOCIATED CONFIDENCE LIMITS**

SERVICE CATEGORY	WEIGHT (1,000s)	C.V. 4/ OF ESTIMATE PERCENT 5/	LOWER 95% CONFIDENCE LIMIT 6/	UPPER 95% CONFIDENCE LIMIT 6/
U.S. POSTAL SERVICE MAIL	96,248	3.31	90,004	102,492
FREE MAIL FOR THE BLIND AND HANDICAPPED	27,190	4.45	24,819	29,562
TOTAL DOMESTIC MAIL	24,567,677 0	N/C		
TOTAL INTERNATIONAL MAIL	244,612 0	N/C		
TOTAL ALL MAIL	24,812,289	N/C		

1/ COMBINED DRPW AND BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

2/ DRPW (INCLUDES OTHER SOURCE DATA IF ANY)

3/ BRPW (INCLUDES OTHER SOURCE DATA IF ANY)

4/ COEFFICIENT OF VARIATION = $(100 \times (\text{EST. STD. ERROR} / \text{EST. WEIGHT}))$

5/ NOT COMPUTED

6/ LOWER LIMIT - EST. WEIGHT - $(1.97 \times \text{EST. STD. ERROR})$

UPPER LIMIT - EST. WEIGHT + $(1.97 \times \text{EST. STD. ERROR})$

